

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 3. (Canceled)

4. (Original) An organic light-emitting element comprising:

an organic electroluminescent substrate having at least a first electrode, an organic layer and a second transparent electrode formed on a substrate;

a counter substrate; and

a light extraction layer and an auxiliary electrode for the second transparent electrode, both provided between the organic electroluminescent substrate and the counter substrate.

5. (Currently Amended) An organic light-emitting element comprising:

an organic electroluminescent substrate having at least a first electrode, an organic layer and a second transparent electrode formed on a substrate;

a counter substrate; and

a light extraction layer and an auxiliary electrode for the second transparent electrode, both provided between the organic electroluminescent substrate and the counter substrate;

wherein a total thickness d of a layer ranging from a light-emitting area in the organic layer to the second transparent electrode satisfies an equation:

$$\underline{d \leq \lambda/4} \quad \underline{d < \lambda/4} \quad (\lambda: \text{center wavelength of emitted light}).$$

6. (Previously Presented) An organic light-emitting element according to claim 4, wherein a rib is provided between the organic electroluminescent substrate and the counter substrate to control a thickness of the light extraction layer.

7. (Original) An organic light-emitting element according to claim 6, wherein the thickness of the light extraction layer is $50 \mu\text{m}$ or more.

8. (Original) An organic light-emitting element according to claim 6, wherein the rib is formed on the counter substrate.

9. (Original) An organic light-emitting element according to claim 8, wherein the rib is formed from glass or optically cured resin.

10. (Original) An organic light-emitting element according to claim 8, wherein the rib is formed on a sealed portion of the organic electroluminescent substrate and the counter substrate.

11. (Previously Presented) An organic light-emitting element according to claim 4, wherein color filters are formed between the organic electroluminescent substrate and the counter substrate.

12. (Original) An organic light-emitting element according to claim 11, wherein the color filters are formed on the counter substrate.

13. (Previously Presented) An organic light-emitting element according to claim 4, wherein a moisture absorbing layer is provided on the counter substrate.

14. (Previously Presented) An organic light-emitting element according to claim 4, wherein a moisture absorbing layer is provided around a portion sealing the organic electroluminescent substrate and the counter substrate.

15. (Original) An organic light-emitting element according to claim 4, wherein the auxiliary electrode is formed between pixels.

16. (Original) An organic light-emitting element according to claim 4, wherein the auxiliary electrode is formed between pixels formed on the counter substrate.

17. (Original) An organic light-emitting element according to claim 4, wherein the auxiliary electrode is formed on the second transparent electrode.

18. (Original) An organic light-emitting element according to claim 17, wherein a bonding layer is provided to bring the second transparent electrode and the auxiliary electrode into ohmic contact with each other.

19. (Previously Presented) An organic light-emitting element according to claim 4, wherein the second transparent electrode is formed from a very thin metal film with a high transmissivity.

20. (Previously Presented) An organic light-emitting display using the organic light-emitting element of claim 4.

21. (Currently Amended) An organic light-emitting display according to claim 20, wherein the organic light-emitting element ~~corresponds to each of red, green and blue in each pixel~~ comprises pixels of different colors.

22. (Previously Presented) An organic light-emitting display according to claim 20, wherein the second transparent electrode of the organic light-emitting element is formed from a very thin metal film with a high transmissivity.

23. (Original) A mobile phone using the organic light-emitting display of claim 20 in a display portion.

24. (Previously Presented) A organic light-emitting element according to claim 4, wherein said first electrode is a transparent electrode.

25. (Previously Presented) A organic light-emitting element according to claim 5, wherein said first electrode is a transparent electrode.

26. (Previously Presented) A organic light-emitting element according to claim 12, wherein said first electrode is a transparent electrode, wherein white light is emitted from said second transparent electrode into said light extraction layer, and wherein colored light is emitted from said counter substrate.

27. (Previously Presented) An organic light-emitting element comprising:
an organic electroluminescent substrate having at least a first electrode, an organic layer and a second transparent electrode formed on a substrate;
a counter substrate; and
a light extraction layer and means for lowering resistance for the second transparent electrode, both provided between the organic electroluminescent substrate and the counter substrate.

28. (Previously Presented) An organic light-emitting element according to claim 27, wherein said means for lowering resistance comprises an auxiliary electrode for the second transparent electrode located between the second transparent electrode and the counter substrate.

29. – 30. (Canceled)

31. (Previously Presented) An organic light-emitting element according to claim 28, wherein a rib is provided over the auxiliary electrode between the organic electroluminescent substrate and the counter substrate to control a thickness of the light extraction layer.

32. (Previously Presented) An organic light-emitting element according to claim 31, wherein the thickness of the light extraction layer is 50 μm or more.

33. (Previously Presented) An organic light-emitting element according to claim 31, wherein the rib is formed on the counter substrate.

34. (Previously Presented) An organic light-emitting element according to claim 31, wherein the rib is formed from glass or optically cured resin.

35. (Previously Presented) An organic light-emitting element according to claim 33, wherein the rib is formed on a sealed portion of the organic electroluminescent substrate and the counter substrate.

36. (Previously Presented) An organic light-emitting element according to claim 31, wherein color filters are formed between the organic electroluminescent substrate and the counter substrate.

37. (Previously Presented) An organic light-emitting element according to claim 36, wherein the color filters are formed on the counter substrate.

38. (Previously Presented) An organic light-emitting element according to claim 31, wherein a moisture absorbing layer is provided on the counter substrate.

39. (Previously Presented) An organic light-emitting element according to claim 31, wherein a moisture absorbing layer is provided around a portion sealing the organic electroluminescent substrate and the counter substrate.

40. (Previously Presented) An organic light-emitting element according to claim 31, wherein the auxiliary electrode is formed between pixels.

41. (Previously Presented) An organic light-emitting element according to claim 31, wherein the auxiliary electrode is formed between pixels formed on the counter substrate.

42. (Previously Presented) An organic light-emitting element according to claim 31, wherein a bonding layer is provided to bring the second transparent electrode and the auxiliary electrode into ohmic contact with each other.

43. (Previously Presented) An organic light-emitting element according to claim 31, wherein the second electrode is formed from a very thin metal film with a high transmissivity.

44. (Previously Presented) An organic light-emitting display using the organic light-emitting element of claim 31.

45. (Currently Amended) An organic light-emitting display according to claim 44, wherein the organic light-emitting element ~~corresponds to each of red, green and blue in each pixel~~ comprises pixels of different colors.

46. (Previously Presented) An organic light-emitting display according to claim 44, wherein the second transparent electrode of the organic light-emitting element is formed from a very thin metal film with a high transmissivity.

47. (Previously Presented) A mobile phone using the organic light-emitting display of claim 44 in a display portion.

48. (Previously Presented) An organic light-emitting element according to claim 31, wherein said first electrode is a transparent electrode.

49. (New) An organic light-emitting element according to claim 4, wherein said light extraction layer has a refractive index close to 1.

50. (New) An organic light-emitting element according to claim 5, wherein said light extraction layer has a refractive index close to 1.

51. (New) An organic light-emitting element according to claim 27, wherein said light extraction layer has a refractive index close to 1.

52. (New) An organic light-emitting element according to claim 49, wherein said light extraction layer is filled with inert gas.

53. (New) An organic light-emitting element according to claim 52, wherein said inert gas is selected from a group consisting of N₂, He, Ne and Ar.

54. (New) An organic light-emitting element according to claim 50, wherein said light extraction layer is filled with inert gas.

55. (New) An organic light-emitting element according to claim 54, wherein said inert gas is selected from a group consisting of N₂, He, Ne and Ar.

56. (New) An organic light-emitting element according to claim 51, wherein said light extraction layer is filled with inert gas.

57. (New) An organic light-emitting element according to claim 56, wherein said inert gas is selected from a group consisting of N₂, He, Ne and Ar.